

20030202.qrp v02_n819.qrl.20030202

Date: Sun, 2 Feb 2003 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2819

QRP-L Digest 2819

Topics covered in this issue include:

- 1) [145608] Re: Does anyone Really live in Delaware??
by Kenneth Hoglund <hoglund@wfu.edu>
- 2) [145609] OT Radio Shack power supplies
by KD5NWA <KD5NWA@cbayona.com>
- 3) [145610] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 4) [145611] Re: Gooley gray pudding reactance calculator
by "James R. Duffey" <JamesDuffey@comcast.net>
- 5) [145612] FOX: W0UFO rev Log
by "Merton Nellis" <mertnellis@msn.com>
- 6) [145613] Some competition for the AADE L/C Meter II
by Ed Tanton <n4xy@earthlink.net>
- 7) [145614] XR0X
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 8) [145615] Need some obscure Tektronix documentaion
by Lenny Wintfeld <w2bvh@comcast.net>
- 9) [145616] Space Shuttle
by "Ian C. Purdie" <ianpurdie@integritynet.com.au>
- 10) [145617] QRP battery holder
by "Tony Parks" <robert.parks11@gte.net>
- 11) [145618] Intro
by "Mike Warner" <mdwarner@paonline.com>
- 12) [145619] Re Does Anyone Really Live in Delaware?
by Joseph Mikuckis <k3chp@erols.com>
- 13) [145620] RF Probes -- Models vs Reality
by Chuck Carpenter <w5usj@9plus.net>
- 14) [145621] Re: Gooley gray pudding reactance calculator
by "Karl F. Larsen" <k5di@zianet.com>
- 15) [145622] Icom 718 Question
by Ed Lawson <k1vp@grizzly.com>
- 16) [145623] FS/FT: Vintage Globe HG-303 w/matching VFO
by "Alan Fryer" <N3BJ@hotmail.com>
- 17) [145624] Re: Icom 718 Question
by "Karl F. Larsen" <k5di@zianet.com>
- 18) [145625] FOX: N0TK Final Log
by N0tk@aol.com
- 19) [145626] Re: XR0X

- by "Emmersom Bigguns" <n8ie@woh.rr.com>
- 20) [145627] Re: RF Probes -- Models vs Reality
by "Karl F. Larsen" <k5di@zianet.com>
- 21) [145628] Re: Intro
by "Tony Wells" <t.wells@blueyonder.co.uk>
- 22) [145629] Re: XR0X
by "Karl F. Larsen" <k5di@zianet.com>
- 23) [145630] Re: Icom 718 Question
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 24) [145631] Surplus Parts
by "brian" <brian@iquest.net>
- 25) [145632] ot-shack cleaning
by "Larry" <w5wlb@gbronline.com>
- 26) [145633] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 27) [145634] Tone encoding program?
by "Rob Matherly" <w0jrm@arrl.net>
- 28) [145635] fox qso
by Jim & Sarah Akre <jsakre@execpc.com>
- 29) [145636] New Bacon Bits
by "brian" <brian@iquest.net>
- 30) [145637] FOX - Team Scores correction -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 31) [145638] Re: OT Radio Shack power supplies
by "Winston F. Jones" <winjones@ix.netcom.com>
- 32) [145639] XR0X = Thanks
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 33) [145640] DSWTUN03 via PCMCIA too HOT for AD9835 DDS to handle...
by "Bill, N4QA" <n4qa@hotmail.com>
- 34) [145641] QRP ARCI Fireside SSB Sprint
by Randy Foltz <rfoltz@turbonet.com>

Date: Sat, 01 Feb 2003 19:33:30 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145608] Re: Does anyone Really live in Delaware??
Message-ID: <3E3C675A.BF39585B@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom--

Err, at least 2!

Been trying to finish WAS on 20m with the White Mountain SSB rig, and DE is

one I really need. At the beginning of the party W3FME Ralph was holding forth with big pile-ups at 14.260. When it quieted down I called several times and he couldn't pull me out of the mud (antenna set-up is less than optimal here at the moment). For much of the afternoon NY3C Gene was holding forth around 14.269 and he came back to several qrp ops, but apparently couldn't even hear a peep out of me.

Sure would be a fine thing for some DE QRP'r to get on for a few hours and work some CW and SSB!

73

Ken KG4FGC

Date: Sat, 01 Feb 2003 19:47:39 -0600
From: KD5NWA <KD5NWA@cbayona.com>
To: Qrp-l@lehigh.edu
Subject: [145609] OT Radio Shack power supplies
Message-ID: <5.2.0.9.0.20030201193258.00a99cf0@mail.arkansasusa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I found and bought two of the RS 22-510 25 amp switching power supplies for \$59.99 each, one of them had noise on 80 meters, but it was sitting on top of the tuner.

This evening I made a 4 foot twisted power cable, moved the power supply to underneath the table, and put a large ferrite core on the output leads of the power supply with 3 turns through the core. The result, all bands quiet no switcher noise, I'm going to add some additional bypass capacitors on the output of the supply for good measure.

This is the first time I have been able to get a discount item that I wanted from Rat Shack, if you need a 25 amp supply for little money, you may want to check the stores in your area before they are all gone.

Cecil
KD5NWA

Date: Sat, 1 Feb 2003 20:23:36 -0600 (CST)
From: Bruce Rattray <rattrey@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [145610] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0302012014110.11467-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt # 24 - N2WW -

Burbank Wrecking Crew - 81

Michael - K6MMC *
Todd - AG0T * Clean
Don - KC2CK * Sweep
Woody - WD9F *
Trev - KG6CYN *

Cheeseheads - 91

Jerry - N9AW *
Jim - WA9TZE * Clean
Lon - W9XU * Sweep
Rick - NK9G *
Glenn - WE9K *

NE-TX Tornados - 111

Chuck - W5USJ *
Bill - K5JHP * Clean
Don - K5DW * Sweep
Doc - W5TB *
George - W5YR *

p-Shooters - 51

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB *
Wayne - W5KDJ *
Tony - KB9YIG *

Raiders of the Lost RF - 87

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL
Robert - VE6JAZ *
Bruce - VE5RC *

Swamp Rats - 104

Larry - N2WW *
ET - N1FN *
Paul - K4FB
Doc - K0EVZ *
Tom - N1TP *

K1 K9s - 70

Lloyd - K3ESE *
John - NA8M(K8HJ) *
Ralph - KD1R
Joe - W2RBA *
Alan - N3BJ *

Cajun Thunder - 86

Wayne - K5E0A *
Jim - N5IB * Clean
Vern - AA50 * Sweep
Wayne - N5YFC *
Tom - AC5JH *

Great Lakers - 54

Mark - K2Q0 *

Underdogs - 100

Dan - N4R0A *

Tom - KV2X *	Dave - W0CH * Clean
Al - K2ZN *	Ron - KI0II * Sweep
Bill - K2TER	Randy - K7TQ *
Jeff - VA3JFF	Art - KB7WW *

Aluminum Kings - 85	Dust Devils - 78
---------------------	------------------

Bob - N4BP *	George - KR5C *
Jim - N0UR * Clean	Martin - N6LIF
Al - K0FRP * Sweep	Eric - NM5M *
Pat - K0PC *	Dale - K5SR *
Todd - N9NE *	Lew - N5ZE *

Loco-motives - 51

Frank - K2PQ *
Jack - K5FSE *
Jason - N8XE
Mike - VA6MJT *
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sat, 01 Feb 2003 20:34:48 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: qrp-l@lehigh.edu, nkennedy@tcainternet.com
Subject: [145611] Re: Gooley gray pudding reactance calculator
Message-ID: <BA61DFE8.116C%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hey Nick - Good post on how to exercise that old gray matter.

Although you mention nomographs, you forgot the old ARRL Lightning L-C calculator. This was a slide rule device that gave one a variety of outputs. A C to resonant with a given L at a particular frequency, and vice versa, required windings of for any diameter form and wire gauge for a specific inductance, and of course reactance, capacitance, and inductance calculations. One could go straight from a given variable capacitor, say 10 -365 pf to an inductance in wire gauge, diameter and turns per inch to cover a specific frequency range, say the 160 M r 80 M band.

All this was quicker than entering numbers into a calculator or computer, although less accurate, the accuracy was good enough for Ham work.

I'll bet the ARRL could sell a thousand of these today if they reprinted them. Ed? - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
Cedar Crest NM 87009 DM65

Date: Sat, 01 Feb 2003 21:16:55 -0600
From: "Merton Nellis" <mertnellis@msn.com>
To: qrp-1@lehigh.edu
Subject: [145612] FOX: W0UFO rev Log
Message-ID: <F6eLYCT4aJ6pkNzPZrI000000bf@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The following log shows corrections:

Log of W0UFO	FOX	1-31-03 UTC				
TIME	STATION	HIS	MINE	SPC	NAME	POWER
0201	K7TQ	559	559	ID	RANDY	5W
0201	N4ROA	559	559	VA	DAN	5W
0202	N4BP	559	559	FL	BOB	5W
0202	N3BJ	559	559	VA	ALAN	5W
0203	VE6EX	559	559	AB	DAN	5W
0204	K40AH	559	559	GA	GAREY	5W
0206	K6WJT	559	559	CA	MIKE	5W
0207	VE5RC	559	559	SK	BRUCE	5W
0208	VE6KG	559	559	AB	NORM	5W
0208	KD2JC	559	569	NJ	JOE	5W
0209	AA50	559	559	LA	VERN	5W
0210	KK5LD	559	559	TX	DAN	5W
0211	W2AGN	559	559	NJ	JOHN	3W

0212	K5EOA	559	559	LA	WAYNE	5W
0213	VE6JAZ	559	559	AB	ROB	5W
0214	W5USJ	559	559	TX	CHUCK	5W
0215	AE4Y	559	559	GA	KENT	5W
0216	K5AIC	559	559	MS	HERB	5W
0217	K5JHP	559	559	TX	BILL	5W
0218	W2XN	559	559	FL	FRED	5W
0220	KI0II	559	559	CO	RON	5W
0221	W6ABC	559	559	PA	JACK	5W
0222	VA6RF	559	559	AB	EARL	5W
0223	KB3E0F	559	559	MD	SANDY	5W
0224	K5DW	559	559	TX	DON	5W
0224	N1TP	559	559	FL	TOM	5W
0225	W5YR	559	559	TX	GEORGE	5W
0226	AB5XQ	559	559	AR	BILL	5W
0227	K4BYF	559	559	FL	JACK	5W
0228	WA8NTA	559	559	CO	DICK	5W
0229	K5FSE	559	599	GA	JACK	5W
0230	K5SBR	559	559	TX	ED	75W
0231	N1FN	559	559	CO	ET	5W
0232	N2WW	559	559	CO	LARRY	5W
0233	WS4S	559	559	TN	CONARD	5W
0234	K5DI	559	559	NM	KARL	5W
0235	KK5NA	559	559	TX	JOE	5W
0237	KR5C	559	559	TX	GEORGE	5W
0237	K5JHP	559	559	TX	BILL	5W
0238	W3KC	559	579	MD	CHAS	5W
0239	N0RC	559	559	CO	ROD	5W
0240	K3PH	559	599	PA	BOB	5W
0240	WB4X	559	559	NC	BRENT	5W
0241	K4FB	559	559	FL	PAUL	5W
0242	KC2CK	559	599	NY	DON	5W
0243	AC7A	559	559	AZ	TOM	5W
0244	W8SFF	559	559	MI	STEVE	5W
0245	KR0U	559	559	CO	TIM	5W
0246	NQ7X	559	559	AZ	FLOYD	5W
0247	K3IU	559	559	RI	KEN	5W
0248	K5SR	559	559	TX	DALE	5W
0249	NN1F	559	559	NH	ARON	5W
0250	N5ZE	559	559	TX	LEW	5W
0251	K4GT	559	559	GA	JIM	5W
0252	KD5UWV	559	559	TX	NORTEX	5W
0255	N0UR	559	559	MN	JIM	5W
0255	AB9CA	559	559	AL	DAVE	5W
0257	KB7WW	559	559	OR	ART	5W
0258	W2RBA	559	569	NY	JOE	5W
0259	KG6CYN	559	559	CA	TREV	5W
0300	KG4LDY	559	559	VA	JIM	5W

0301	AC5JH	559	559	OK	TOM	5W
0303	W8YMO	559	559	OH	HARRY	5W
0304	KQ5U	559	559	TX	TERRY	5W
0305	KC9LC	559	559	VA	RANDY	5W
0306	KC1FB	559	559	CT	JIM	500MW
0307	NA8M	559	559	MI	JOHN	5W
0307	K5ZTY	559	559	TX	BILL	5W
0308	AD6JV	559	559	VA	BILL	5W
0309	W3DCG	559	569	GA	DARIN	5W
0310	KF2P	559	559	NY	NICK	2W
0311	K8CV	559	559	MI	WALT	5W
0313	W4YN	559	599	NC	TIM	5W
0314	NN5E	559	559	TX	VERN	5W
0317	K0PC	559	559	MN	PAT	5W
0318	W5TB	559	559	TX	DOC	5W
0319	K6VNX	559	559	CA	ARLEN	5W
0321	WB6BWZ	559	559	GA	MATT	5W
0323	WR50	559	559	TX	DAVE	5W
0325	VA6MJT	559	559	AB	MIKE	5W
0326	N5IB	559	559	LA	JIM	5W
0327	AJ4AY	559	559	AL	JAY	5W
0330	K0MAX	559	549	MN	MAX	1W
0331	W7KXB	559	599	AZ	BILL	5W
0332	N0AR	559	599	MN	SCOTT	5W
0333	K6MMC	559	559	CA	MIKE	5W
0335	N7CQR	559	559	OR	DAN	5W
0336	WW7Y	559	559	UT	STEVE	5W
0339	K5PSH	559	559	TX	JERRY	5W
0352	K5TR	559	559	TX	GEO	50MW
0359	NOTK	FOX				
0400	W0UFO	FOX				

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 Date: Sun, 02 Feb 2003 00:17:52 -0500
 From: Ed Tanton <n4xy@earthlink.net>
 To: QRP-L Reflector <qrp-l@lehigh.edu>,
 noGA reflector <nogaqrp@mailman.qth.net>
 Subject: [145613] Some competition for the AADE L/C Meter II
 Message-ID: <5.2.0.9.2.20030201231800.03494a98@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

You all may remember the Peak Atlas Transistor/etc. checker I bought and mentioned here about a year ago. Well, now he's come up with the Atlas LCR Passive Component Analyzer <<http://www.peakelec.co.uk/>> . Similar physical layout to the transistor checker, it is described in their website:

QUOTE:

"The Atlas LCR automatically identifies and analyses almost any passive component (Inductor, Capacitor or Resistor). It measures it's main parameters using automatically selected test frequencies (DC, 1kHz, 15kHz and 200kHz)..

Inductors from 1uH to 10H, Capacitors from 1pF to 10,000uF and Resistors from 1R to 2MR are supported. Basic accuracy is 1%. Universal test probes are detachable, allowing use of many different probe types including SMT tweezer probes. Inductance resolution is as low as 0.4uH, Capacitance resolution is as low as 0.4pF and Resistance resolution is as low as 0.3 ohms."

UNQUOTE

The most significant difference between the Peak and the AADE L/C Meter II is their respective ranges: the Peak goes to 10,000 uFd whereas the L/C Meter II only goes to 1.5 uFd. For inductance you have the Peak measuring 1uH to 10Hy vs 1nH 150mH for the L/C Meter II, and the Peak also tells you the frequency it chose-as well as the DC resistance of the inductor. In fairness to my L/C Meter II, I should add that, normally, I don't NEED to measure anything over 150mH. (Although if I DO finally get around to some LF-VLF antennas, BP filters, and pre-amps, I might!)

The biggest stand-out difference for me is the capacitor range. Also interesting, the Peak uses two different methods to measure caps: for low value caps it uses an AC impedance analysis; then for high values, it uses a DC transient analysis-all automatically.

It also measures resistors from 0.5 ohms to 2M ohms with a resolution of 0.5 ohms. As a generalization, I would say the Peak and the AADE L/C Meter II have similar accuracies, but the L/C Meter II usually has finer resolution-both units being terrific.

Lastly, the AADE L/C Meter II has a comparitor-mode that allows for nearly effortless component matching, and Neil is now including an SMT adapter kit WITH currently shipping model II-Bs (and he will send the kit to present owners free with an SASE.) Still... the ranges are the deal-maker for me.

The American distributor is Anatek Corp at: <<http://www.anatekcorp.com/>> and it is priced, built, at \$129 plus shipping. I have no connection beyond

that of customer with both AADE <<http://www.aade.com/lcmeter.htm>> and Peak.

I guess Neil will have to get busy, and make a model III!

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sat, 1 Feb 2003 23:28:0 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@Lehigh.EDU>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [145614] XR0X
Message-ID: <4120032025280584@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Wondering where to file XR0X? Their card says San Felix Island is about 1000 km west of the continental coast of Chile. Surely this was a separate/new DX entity. Anyone help? BTW, worked them with one watt to a GAP Titan DX!!

73,
--Doc/K0EVZ

?

Date: Sun, 02 Feb 2003 02:38:31 -0500
From: Lenny Wintfeld <w2bvvh@comcast.net>
To: njqrp@njqrp.org,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
Subject: [145615] Need some obscure Tektronix documenataion
Message-ID: <3E3CCAF7.40509@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

I'm looking for a copy of the schematic or maintenance manual for the following two Tektronix items:

- 1) Tek 606 monitor scope looks like it's got trouble in the lv p/s
- 2) Tek 551 Dual Beam scope's power supply might make a nice GB experimenters HV supply

Thanks in advance for any assistance.

Email direct if possible, no need to clutter up the list(s)

73,
Lenny W2BVH

Date: Sun, 02 Feb 2003 22:32:25 +1100
From: "Ian C. Purdie" <ianpurdie@integritynet.com.au>
To: Wdg@wdguide.com, Flying Pigs <fpqrp-l@mpna.com>,
"glowbugs@piobaire.mines.uidaho.edu"
Subject: [145616] Space Shuttle
Message-ID: <3E3D01C9.B35CDD31@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Along with every Australian, my family wish to pass along their condolences for this great misfortune which has befallen your country.

Most of us rarely realise that space travel is relatively still in its infancy.

It involves numerous inherent risks, it takes a lot of guts to be pioneers, here on earth or elsewhere.

As it was 1,000 years ago, 100 years ago or even now, there are brave folks who continually push back the frontiers. Sometimes things don't go according to plan and from that sacrifice of others we hopefully learn.

So humanity progresses in a very frail way.

Without being insensitive, it's just a temporary setback.

Let's keep those brave folks and their families in our family thoughts.

Ian & family
VK2TIP

Date: Sun, 2 Feb 2003 06:42:33 -0500
From: "Tony Parks" <robert.parks11@gte.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145617] QRP battery holder
Message-ID: <001a01c2cab0\$2e39f400\$7112f143@3dse0>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My thanks to all who recently replied to my question concerning glue for cementing PVC pipe pieces together in a battery holder for QRP applications.

The concensus was to use the PVC pipe cement, although I also tried super glue and JB Weld. The PVC pieces were mechanically cleaned prior to the glueing operation. The PVC pipe cement worked well but the super glue and the JBWeld did not provide the needed strength.

The PVC pieces of the appropriate ID house the batteries in a flat pack arrangement of four rows of two cells. Rows are cemented in a side-by-side arrangement with each row consisting of two PVC pieces, one long and one short in length. Long and short pieces are alternated from row to row resulting in a right and left side for the battery holder. The right and left halves slide apart for battery instalation. Small PVC pieces are cemented in place to ensure alignment between the right and left halves. Vertical 1/4-inch hardwood dowels, inserted through 1/4-inch holes in the PVC and glued in place, at outboard ends of each row provide for terminal mounting. The dowels at the four corners of the bottom side of the battery pack extend beyond the PVC and 3/8-inch long, 1/4-inch ID, pieces of rubber

hose are glued on to provide feet for the pack. A simple spring-latch on the underneath side of the pack holds the right and left halves of the pack together.

Mounted on a small piece of PVC which extends horizontally and is perpendicular to the battery pack side are two RS micro-switches. The micro-switches are mounted one above the other with the levers facing outward and provide a simple but quite useable set of paddles for keying.

Two battery packs of the above design have now been built. One houses C-cells for use with my K1. Its footprint is 4 7/8 inches wide, 5 1/4 inches deep and 1 11/16 inches high. The paddles extend out 1 1/8 inches and have a width of 5/8 inches. The K1 sits nicely on top of the pack. I typically use my K1 at 1/2 watt output and anticipate many hours of use out of a set of batteries.

A second pack has been built for AA-cells with the intention of mounting a two-band Rock Mite on top of the pack. The AA-cell version has a foot print of 4 7/8 inches wide, 3 3/8 inches deep and 1 1/4 inches high. The two-band Rock Mite box is 4 1/2 inches wide, 3 1/2 inches deep and 7/8 inches high. It should make a neat little portable two-band rig.

Again, thanks for the good input from so many.

73,
Tony
KB9YIG

Date: Sun, 2 Feb 2003 06:43:13 -0500
From: "Mike Warner" <mdwarner@paonline.com>
To: <qrp-1@Lehigh.EDU>
Subject: [145618] Intro
Message-ID: <004301c2cab0\$451d5400\$0315fea9@mdw1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is my first post to this list and I just wanted to say hello to all. I've been lurking for a week or so and find the discussions very interesting. I am enjoying building my first QRP rig (K1-4) and hope to have it on the air in a week or so.

73! or should that be 72?
this QRP lingo is all new to me!

Mike Warner
N3XPD

Date: Sun, 02 Feb 2003 06:47:16 -0500
From: Joseph Mikuckis <k3chp@erols.com>
To: QRP-L Mailing List <qrp-l@lehigh.edu>
Subject: [145619] Re Does Anyone Really Live in Delaware?
Message-ID: <3E3D0543.9C68B8EF@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom, I live in Delaware and am very willing to make a schedule with anyone who needs this state.

Joe, K3CHP
Frederica, DE

Date: Sun, 02 Feb 2003 06:18:54 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, QRPP-I@yahoogroups.com,
Rock-Mite_Group@yahoogroups.com
Subject: [145620] RF Probes -- Models vs Reality
Message-ID: <3.0.2.32.20030202061854.0080ab00@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers,

I built the handbook RF probe for use with my Rock-Mite experiments. Measurement results between the probe and my power meters didn't agree. (The classic handbook probe uses a .01 pF coupling cap, shunt 1n34 diode and 4.7 M Ohm series scaling resistor for 10 M Ohm DMMs.)

So I turned to my scientist/engineer friend and fellow club member, George, W5YR, for some help. George modeled 3 variations of probes for 3 different meter input Zs using the Electronics Workbench modeling program.

Note: These are models and calibration against a known standard is needed for best accuracy. You need to produce a reality check against the model

data. The models, however, do produce a place to start.

Models Produced for Meters with:

- 10 M Ohm input impedance -- Most digital multimeters (DMMs) in this category
- 1 M Ohm input Impedance -- e.g., VTVMs and some later model VOMs with FETs
- Triplet Model 630 VOM 12 V scale -- 240 k Ohm Input Z (20 k Ohms/V)

Model Assumptions: Input cap = .001 mF or 1000 pF (reduced loading)

Shunt Diode, e.g., 1N34A -- positive voltage output

Series scaling resistance = Determined by calculation

Simulated output capacitance = 100 pF for leads etc.

Frequency range = 80 meters through 10 meters

10 M Ohm model:

Scaling resistor = 3.6 M Ohms (Used 3.3 M Ohm and 33 k Ohm in series)

1 M Ohm model:

Scaling resistor = 375 k Ohms (360 k Ohm and 15 k Ohm in series)

240 k Ohm model (Triplet Model 630 on 12 V scale):

Scaling resistor = 91 k Ohms (scale this value for other Ohms/V and ranges)

The 10 M Ohm version (3.6 M Ohm R) was built and compared to readings with a Welz SP-15M on the 2.5 Watt scale. The Welz showed a power output reading of about 1.3 Watts as close as I could read the scale. The load used measured 51 Ohms DC and the same value with the MFJ-259B at 7 MHz.

Using the new probe with a Radio Shack DMM having a specified 10 M Ohm input Z the voltage measured with the new probe across the same load was 8.2 V. Calculating power using $P=E^2/R$ produced $67.24/51=1.318$ Watts.

Not bad for a first trial run and much better than the handbook probe produced. Resistors having 5 % tolerance were used for the probe and 1% values would be a better choice. A trip is planned to W5YR's shack to do some calibrating against his HP precision Watt meter.

A probe for the Triplet Model 630 will be built later to see how it compares to the DMM probe. A low-cost DMM (\$9.95) from Harbor Freight and a Heathkit bench model VTVM will be checked out too. Story to follow.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1

Rock-Mites on 80, 40, 30, 20 and 15 Meters

QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57

Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Sun, 2 Feb 2003 05:49:05 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Nick Kennedy <nkennedy@tcainternet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145621] Re: Gooney gray pudding reactance calculator
Message-ID: <Pine.LNX.4.44.0302020533130.1366-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

When I was back in school we carried slide rules. These were the original Gooney gray pudding tool. You had to know what you were doing and then get a "close" answer. Now there are tools that make finding reactance a snap. I own a MFJ Antenna Analyser that has batteries in it. Whenever I need to find an inductor or capacitor at any frequency I do it with that.

In the box with the analyser are some components. These are known capacitors and inductors. You put your unknown with a known and bring them to resonance. Plug what you know into a simple program and get out what the unknown is.

If you have an inductor and capacitor and want to know where they are resonant it's simple. If you need the impedance of an inductor at 7 mhz hook it up and measure it directly at 7 mhz.

And on and on.

On Sat, 1 Feb 2003, Nick Kennedy wrote:

> When I was back in school, some of the guys claimed that this one old
> Chinese professor had the table of logarithms memorized. That's ridiculous
> of course, but he was pretty amazing at cranking out pretty close estimates
> in his head.

>

> But in all my experimenting and self study of the past few years, I still
> haven't developed a facility for taking a capacitor or inductor and a
> frequency and coming up with a good approximation of its reactance in my
> head. Some people can do it and I wondered how.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 02 Feb 2003 14:06:53 +0000
From: Ed Lawson <k1vp@grizzly.com>
To: qrp-1@lehigh.edu
Subject: [145622] Icom 718 Question
Message-ID: <3E3D25FD.5090908@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

I have been reading the reviews of the Icom 718 on the e-ham site and it gets rave reviews. I have owned one for over a year as my QRO/SSB rig and while it is a great rig for the money, I find it to be a rather poor CW rig. I have never been able to adjust it so CW sounds anything but harsh and muddled. I am wondering if it is my rig, my adjustments, or it really is a poor CW rig. Maybe I am spoiled by the sound of all the great QRP kit radios. Then again, the TT Scout and Yaesu 840 and Patcomm 500 all sounded much better than the 718.

TIA

Ed Lawson
K1VP

Date: Sun, 2 Feb 2003 09:20:32 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145623] FS/FT: Vintage Globe HG-303 w/matching VFO
Message-ID: <0E15PN14iZWw8gRzpPW0000078d@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Perhaps another list member has an interesting trade ?

Globe HG-303 with the matching V-10 VFO, both collector quality and work fine. These are about the cleanest and most blemish free you will see and they are rare. The HG-303 is a very compact and attractive design. I can furnish pix on request.

Interested in the following rigs as trades: Norcal 20 converted to 40M, Red Hot 40 or ??

Value of \$250.00 (shipped) placed on the Globe units, deal could be +/- cash.

Please let me know if you are interested, all replies answered.

Alan, N3BJ
Bent Mountain, VA

Date: Sun, 2 Feb 2003 09:49:27 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Ed Lawson <k1vp@grizzly.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145624] Re: Icom 718 Question
Message-ID: <Pine.LNX.4.44.0302020946220.1801-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ed, if your a ARRL member get the Expanded test .pdf for your radio. It DOES have lousy CW sending due to delays in the switching it looks like. If you can't get it I will send it to you. That rig should never be used on CW.

On Sun, 2 Feb 2003, Ed Lawson wrote:

> I have been reading the reviews of the Icom 718 on the e-ham site and it
> gets rave reviews. I have owned one for over a year as my QRO/SSB rig
> and while it is a great rig for the money, I find it to be a rather poor
> CW rig. I have never been able to adjust it so CW sounds anything but
> harsh and muddled. I am wondering if it is my rig, my adjustments, or
> it really is a poor CW rig. Maybe I am spoiled by the sound of all the
> great QRP kit radios. Then again, the TT Scout and Yaesu 840 and
> Patcomm 500 all sounded much better than the 718.

>

> TIA

>

> Ed Lawson

> K1VP

>

>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 02 Feb 2003 12:03:23 -0500
From: N0tk@aol.com
To: qrp-1@lehigh.edu
Subject: [145625] FOX: N0TK Final Log
Message-ID: <6982F74D.352C56EA.00002D75@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Final log with typos and corrections
added. Highlight was working K5TR who
was running 5 milliwatts.

RIG: FT-817 at 5 W

Antenna: Attic Dipole
(Norcal Doublet for last
15 minutes of the hunt)

Time	Call	Sent	Recd	SPC	Name	Pwr
----	-----	----	----	---	-----	----
0200	K5DW	579	559	TX	Don	5W
0201	N0WX	579	579	MN	Mike	5W
0201	N9NE	559	559	WI	Todd	5W
0202	W5USJ	579	559	TX	Chuck	5w
0202	N4ROA	559	559	VA	Dan	5w
0203	KK5LD	559	559	TX	Dan	5w
0204	W0CH	579	579	MO	Dave	5w
0205	N5ZE	559	559	TX	Lew	5w
0206	N4BP	559	559	FL	Bob	5w
0207	AC5JH	559	559	OK	Tom	5w
0207	VE6JAZ	559	559	AB	Rob	5w
0208	K5FSE	559	599	GA	Jack	5w
0210	AC7A	559	559	AZ	Tom	5w
0210	K0EVZ	559	559	ND	Doc	5w
0211	N3BJ	559	559	VA	Alan	5w
0212	KG6CYN	559	559	CA	Trev	5w
0212	VE6KG	559	559	AB	Norm	5w
0213	K5JHP	559	559	TX	Bill	5w
0214	K3ESE	559	559	MD	Lloyd	5w
0214	W5YR	579	559	TX	George	5w
0216	KC2CK	559	559	NY	Don	5w
0216	KK5NA	559	559	TX	Joe	5w
0217	WW7Y	559	559	UT	Steve	5w
0218	N1FN	559	559	CO	Et	5w
0218	KS4L	559	449	AL	Randy	5w

0219	W9XU	559	559	WI	Lon	5w
0220	WA9TZE	559	559	WI	Jim	5w
0220	N0UR	559	579	MN	Jim	5w
0221	NK6A	579	579	CA	Don	5w
0222	K5EOA	559	559	LA	wayne	5w
0223	NK9G	559	579	WI	Rick	5w
0223	WD9F	559	559	IL	Woody	5w
0224	K9DC	559	559	IN	Dave	5w
0225	K5DI	559	559	NM	Karl	5w
0225	W5TB	559	559	TX	Doc	5w
0226	N2WW	559	559	CO	Larry	5w
0226	AA50	559	559	LA	Vern	5w
0227	VE6EX	559	559	AB	Dan	5w
0228	N1TP	559	559	FL	Tom	5w
0229	K40AH	559	559	GA	Garey	5w
0229	VA6RF	559	559	AB	Earl	5w
0230	KR5C	559	559	TX	George	5w
0232	N9AW	559	559	WI	Jerry	5w
0232	W2AGN	559	579	NJ	John	5w
0234	K4BYF	559	559	FL	Jack	3w
0235	KB3E0F	559	559	MD	Sandy	5w
0235	K7TQ	559	559	ID	Randy	5w
0236	K4FB	559	559	FL	Paul	5w
0237	K0PC	579	559	MN	Pat	5w
0238	AB5XQ	559	559	AR	Bill	5w
0239	NG7Z	559	559	WA	Paul	5w
0240	WE9K	559	559	WI	Glenn	5w
0241	K3PH	559	599	PA	Bob	5w
0242	KB7WW	559	559	OR	Art	5w
0243	K9IS	559	559	WI	Steve	5w
0244	AB9CA	559	559	AL	Dave	5w
0245	WR50	559	559	TX	Dave	5w
0246	K6VNX	559	579	CA	Arlen	5w
0246	K4GT	559	559	GA	Jim	5w
0247	K5ZTY	559	559	TX	Bill	5w
0248	WB4X	559	559	NC	Brent	5w
0248	KE6RS	559	559	CA	Ron	5w
0249	NN5E	559	559	TX	Vern	5w
0250	K3IU	559	559	RI	Ken	5w
0250	AG0T	559	559	ND	Todd	4w
0251	K5SR	579	559	TX	Dale	5w
0252	NQ7X	579	559	AZ	Floyd	5w
0252	AF4LQ	579	559	KY	Mike	5w
0253	AJ4AY	559	559	AL	Jay	5w
0254	K6MMC	559	559	CA	Mike	5w
0255	KC9LC	559	559	VA	Randy	5w
0258	KD2JC	559	559	NJ	Joe	5w
0300	VE5RC	559	559	SK	Bruce	5w

0304	AD6JV	579	559	VA	Bill	5w
0304	W2RBA	559	559	NY	Joe	5w
0305	K9IUA	579	559	IA	Kevin	5w
0306	WB6BWZ	559	559	GA	Matt	5w
0310	KQ5U	559	559	TX	Terry	5w
0312	K50I	559	559	OK	Tim	5w
0313	NA8M	559	559	MI	John	5w
0313	KC1FB	559	559	CT	Jim	500mw
0315	K50T	559	559	WI	Larry	3w
0317	NV4V	559	559	KY	Pete	5w
0318	W8YMO	559	559	OH	Harry	5w
0320	W7KXB	579	579	AZ	Bill	5w
0320	W4YN	559	599	NC	Tim	5w
0323	KG4LDY	559	559	VA	Jim	5w
0326	K5PSH	559	559	TX	Jerry	5w
0329	N5IB	559	559	LA	Jim	5w
0331	N7CQR	559	559	OR	Dan	5w
0332	K2ZN	559	539	NY	Al	5w
0334	W2XN	559	559	FL	Fred	5w
0335	N5ZE	559	559	TX	Lew	5w DUPE
0337	W3DCG	559	559	GA	Darin	5w
0343	K5TR	559	559	TX	Geo	5mw
0344	KI0II	559	579	CO	Ron	1w
0349	WB5QYT	559	559	NM	Tom	5w
0359	W0UFO		FOX	MN	Mert	5w
0359	N0TK		FOX	CO	Dan	5w

Date: Sun, 2 Feb 2003 12:34:01 -0500
 From: "Emmersom Bigguns" <n8ie@woh.rr.com>
 To: <dock0evz@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Subject: [145626] Re: XR0X
 Message-ID: <001c01c2cae1\$4652d080\$0300a8c0@home5vtkw1ykj9>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Hey Doc, great catch.

That DXCC entry is listed as CE0X, San Felix.

72, oo
 Dan, N8IE

----- Original Message -----

From: "Doc K0EVZ" <dock0evz@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, February 02, 2003 12:28 AM

Subject: XR0X

> Gang:

>

> Wondering where to file XR0X? Their card says San Felix Island is about
> 1000 km west of the continental coast of Chile. Surely this was a
> separate/new DX entity. Anyone help? BTW, worked them with one watt to a
> GAP Titan DX!!

>

> 73,

> --Doc/K0EVZ

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Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.445 / Virus Database: 250 - Release Date: 1/21/2003

Date: Sun, 2 Feb 2003 10:53:18 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Chuck Carpenter <w5usj@9plus.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [145627] Re: RF Probes -- Models vs Reality

Message-ID: <Pine.LNX.4.44.0302020958500.1801-100000@bucket.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Feb 2003, Chuck Carpenter wrote:

Hi Chuck and George. We engineers always draw an equivalent circuit of any problem. So I did one for the classic handbook model.
>From left to right I start with a generator connected across a 50 ohm

load. The hot side has a .01 ufd capacitor connected. The other capacitor side has 2 things connected. One is a diode and the other is a 4.7 Megohm resistor. The other end of the diode goes to ground. The other side of the resistor goes to a 10 Megohm resistor that passes through a meter to ground.

So you can assume some generator output as a sinewave at a particular frequency which sets the equivalent value of the capacitor. This AC voltage is applied across a diode which will change the AC to a pulsating DC voltage.

The pulsating DC voltage is applied to the sum of the 4.7 Megohm resistor and the 10 Megohm resistor and the meter. So the load side of the diode is 14.7 Megohms.

The capacitor will have an impedance we calculate from it's value and the frequency of the current passing through it. A 0.01 Ufd capacitor is going to not be a precise capacitor. I used my MFJ box and find a junkbox .01 Ufd cap is 15 ohms at 7 MHz. So we have the diode fed from a 15 ohm resistor from the load.

This circuit can now be solved for the peak voltage across the diode and this voltage is applied to the meter minus the drop in voltage across the 4.7 Megohm resistor.

There are I think better designs that help maintain a more perfect accuracy. Some where I have saved the ones I found.

A test phase sounds like a good idea. I have a Techtronics scope which according to it's calibrator measures voltage to 1-2% accuracy. This then will be my standard. The power source will be my FT-817 making about 1 watt, measured by the scope. Then the probes can be used and compared to the known value.

Chuck your right, there are digital voltmeters out there pretty cheap. The QRP group should find the "best" and then design a "best" probe to match that voltmeter. I have an old Philips ECG digital that is rated at 10 Megohm input and 1% accurate voltage DC. This one was cheap 8 years ago.

> QRPers,
>
> I built the handbook RF probe for use with my Rock-Mite experiments.
> Measurement results between the probe and my power meters didn't agree.
> (The classic handbook probe uses a .01 pF coupling cap, shunt 1n34 diode
> and 4.7 M Ohm series scaling resistor for 10 M Ohm DMMs.)
>

> So I turned to my scientist/engineer friend and fellow club member, George,
> W5YR, for some help. George modeled 3 variations of probes for 3 different
> meter input Zs using the Electronics Workbench modeling program.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 2 Feb 2003 17:53:08 -0000
From: "Tony Wells" <t.wells@blueyonder.co.uk>
To: <mdwarner@paonline.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145628] Re: Intro
Message-ID: <021c01c2cae4\$04100c30\$0d02a8c0@BART>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The K1 is great littlle radio Mike. I'm sure you will enjoy building it! I only made two mistakes that I found when testing. One was an unsoldered joint on the headphone socket and all three leads on the PA transistor. (!)

One tip - the K1 serial number is easily misplaced. It comes in one of the littlle yellow packets - usually in the packet that contains the transparent plastic cover for the LCD.

Lastly, have you joined the Eelecrafft mailing list? The member community has lots of friendly, helpful people for advice and help on building and alignment.

Regards,

Tony
M3CJF
G7IGG

----- Original Message -----

From: "Mike Warner" <mdwarner@paonline.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, February 02, 2003 11:43 AM
Subject: Intro

> This is my first post to this list and I just wanted to say hello to all.

> I've been lurking for a week or so and find the discussions very
interesting.
> I am enjoying building my first QRP rig (K1-4) and hope to have it on the
> air in a week or so.
>
> 73! or should that be 72?
> this QRP lingo is all new to me!
>
> Mike Warner
> N3XPD
>
>

Date: Sun, 2 Feb 2003 11:13:09 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Doc K0EVZ <dock0evz@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145629] Re: XR0X
Message-ID: <Pine.LNX.4.44.0302021108590.1801-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Doc, I beat you to this one. Worked XR0X 03-26-2002 10m SSB. The QSL
manager is John Kennon N7CQQ and you can read about it at

<http://www.codell.org/SFX>

On Sat, 1 Feb 2003, Doc K0EVZ wrote:

> Gang:
>
> Wondering where to file XR0X? Their card says San Felix Island is about
> 1000 km west of the continental coast of Chile. Surely this was a
> separate/new DX entity. Anyone help? BTW, worked them with one watt to a
> GAP Titan DX!!
>
> 73,
> --Doc/K0EVZ
>
>
>
>

> ?

>

>

>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Sun, 02 Feb 2003 13:46:26 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Cc: k1vp@grizzly.com
Subject: [145630] Re: Icom 718 Question
Message-ID: <5.0.2.1.2.20030202134420.02739078@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ed,

I don't think it's all that great sounding on CW, either, but I don't have any extra filters installed. Since it is only used for ARES, I rarely, if ever, run it in CW, though, so it doesn't matter (that's what my K2 and all the other assortment in my shack are for!). For the money, excellent QRO rig for things like ARES.

72 de Mike, K04WX
Michael C. Boatright

Date: Sun, 2 Feb 2003 14:47:00 -0500
From: "brian" <brian@iquest.net>
To: "Flying Pigs" <fpqrp-l@fpqrp.com>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [145631] Surplus Parts
Message-ID: <002e01c2caf3\$dac3e490\$456a2bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Junkbox Surplus Parts for Sale as of 02/01/2003

=====

NEW ITEMS

I have 500 excess pcs of 5.000 Mhz crystals. These are the miniture crystals like you see in the latest QRP Quarterly. Tiny round crystals with two wire leads, I think I've seen these in watches. If we ever get 60m these could be a lot of fun.

I'm asking 100 for \$6.00 or 50 for \$4.00 shipped to the USA.

I have 400 pcs of 102J (1000pf) Shinyei ceramic caps rated at 630 VDC. These are in bags of 200.

\$5.50 for 200 including USA shipping.

I also have surplus 50K 1 Turn linear taper pots, about 40 each. These are chassis mount pots with the nut. About the size of a nickle, and about 1/2 inch deep with a 1/4 inch shaft about 1/2 inch long.

5 for \$5.00 including USA shipping.

285pf Green Square Plastic Cap, PC Board Insertion 10%
100 for \$4.00

Odd Items

=====

9.8304 Mhz Crystals, 1/4 in tall - 20 for \$5.00
27mH inductors with radial leads - 25 for \$3.50

Caps - All new, old stock. No pulls.

=====

All caps now 50/\$3 or 100/\$5

=====

8pf NPO Ceramic - Loose
11pf NPO Ceramic - Loose
12pf NPO ceramics on tape
22pf Kemet Ceramic Caps, 200v, 10%
150pf ceramics, 100v, 10%
470pf Ceramics on paper tape, rated 5% (NPO)
560pf Kemet Ceramic Caps, 200v, 10%
1000pf blue mono caps, 10% 100v
3300pf Kemet Ceramic Caps, 100v, 10%
.01 uF ceramic caps, 10% 100v brand new by Kyocera
and
.01 uF ceramic caps, 20% 50v, new old stock, not used
50/2.50 100/\$4

Voltage Regulators

=====

L7805ACV voltage regulators T0220 case. 10/\$5 or 15/\$7 100/\$30
LM7812 voltage regulators. T0220 case. 5/\$4
LM317T Adjust. Positive Voltage Regulator T0220. 10/\$5.00 or 15/\$7.00
100/\$30
LM78L62ACZ Volt(6.2)regulators, T092 format 5/\$3.00

Transistors - New Parts - No Pulls

=====

TP2222 plastic T092 NPN (House brand 2N2222) 50/\$4 100/\$7
2N3904's plastic T092. NPN - 50/\$4 100/\$7
2N3704's plastic T092, NPN - 50/\$4

Op AMPS

=====

LM386N-1 - Audio Amps 5 for \$2.25

LM741CN - Single Op Amp, 8 Pin Dip, 6 for \$2.00

<http://www.hep.ph.ic.ac.uk/~hallg/Instrumentation/Data/LM741.pdf>

Diodes

=====

1N4148 - You always need these. 100 for \$2.50

Let me know if you're interested. All prices are post paid to the
USA, unless otherwise noted. I will ship to non USA addresses but we
need to discuss the shipping charges first.

Date: Sun, 2 Feb 2003 14:06:10 -0600

From: "Larry" <w5w1b@gbonline.com>

To: "Qrp-1" <qrp-1@lehigh.EDU>

Subject: [145632] ot-shack cleaning

Message-ID: <001f01c2caf6\$8843b760\$24d1fdd8@yourx6k5fonaok>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

fs

1. mfj-722 cw/ssb/notch filter with manual
\$30.00

2. mfj-784 Tunable dsp filter with manual

\$60.00

Used gear no longer needed here.I will pay shipping.

Thanks

W5w1b

Date: Sun, 2 Feb 2003 14:11:26 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [145633] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0302021404530.31184-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt # 25 - W0UFO -

Burbank Wrecking Crew - 84

Cheeseheads - 91

Michael - K6MMC *

Jerry - N9AW

Todd - AG0T

Jim - WA9TZE

Don - KC2CK *

Lon - W9XU

Woody - WD9F

Rick - NK9G

Trev - KG6CYN *

Glenn - WE9K

NE-TX Tornados - 116

p-Shooters - 52

Chuck - W5USJ *

Chuck - K7Q0

Bill - K5JHP * Clean

Gary - NQ7T

Don - K5DW * Sweep

Jim - KC1FB *

Doc - W5TB *

Wayne - W5KDJ

George - W5YR *

Tony - KB9YIG

Raiders of the Lost RF - 91

Swamp Rats - 107

Dan - VE6EX *

Larry - N2WW *

Earl - VA6RF *

ET - N1FN *

Fred - VE3FAL

Paul - K4FB

Robert - VE6JAZ *

Doc - K0EVZ

Bruce - VE5RC *

Tom - N1TP *

K1 K9s - 72

Cajun Thunder - 90

Lloyd - K3ESE
John - NA8M
Ralph - KD1R
Joe - W2RBA *
Alan - N3BJ *

Wayne - K5E0A *
Jim - N5IB *
Vern - AA50 *
Wayne - N5YFC
Tom - AC5JH *

Great Lakers - 54

Underdogs - 104

Mark - K2Q0
Tom - KV2X
Al - K2ZN
Bill - K2TER
Jeff - VA3JFF

Dan - N4R0A *
Dave - W0CH
Ron - KI0II *
Randy - K7TQ *
Art - KB7WW *

Aluminum Kings - 88

Dust Devils - 81

Bob - N4BP *
Jim - N0UR *
Al - K0FRP
Pat - K0PC *
Todd - N9NE

George - KR5C *
Martin - N6LIF
Eric - NM5M
Dale - K5SR *
Lew - N5ZE *

Loco-motives - 53

Frank - K2PQ
Jack - K5FSE *
Jason - N8XE
Mike - VA6MJT *
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 2 Feb 2003 14:14:04 -0600
From: "Rob Matherly" <w0jrm@arrl.net>
To: "Flying Pigs" <fpqrp-1@fpqrp.com>, "SOC" <soc@mailman.qth.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145634] Tone encoding program?
Message-ID: <003301c2caf7\$a4bd56c0\$9911a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all;

Does anyone know of a program that I can use to produce a PL tone with my soundcard?

TIA

--

72/73/oo - Rob, w0jrm - w0jrm@arrl.net
ARRL, FPQRP -330, SOC #497, QRPp-I #19, IAQRP #143, ARS #1143, WATPK #1
<http://www.qsl.net/w0jrm>

Date: Sun, 02 Feb 2003 14:46:55 -0600
From: Jim & Sarah Akre <jsakre@execpc.com>
To: qrp-1@Lehigh.EDU
Subject: [145635] fox qso
Message-ID: <3E3D83BF.B5A8E3F8@execpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

TO: Mert Nellis-W0UFO. Hi Mert' could you check your scratch sheet for 0345z-I thought we made a qso under difficult conditions Thursday Jan 24' Z-time 0345z, my exchange was "de wa9tze 239 wi jim 5w k" repeated twice. A local on 2m said he heard you answer "r qrz" .NJ9K the other station was listing on a 40m 2 el beam at 70 ft.and i heard you over his speaker also??? Well could you check?? If not we will catch you next time. Best 72/Jim Akre/WA9TZE.....

```
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
  FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
  INTO INFAMOUS AF4PS ATTIC DIPOLE
  SOC #400 AND FLYING PIGS QRP #-57
```

Date: Sun, 2 Feb 2003 15:07:09 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [145637] FOX - Team Scores correction -
Message-ID: <Pine.LNX.4.33.0302021505330.1786-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

With the change of call from K8HJ to NA8M for John, the K1 K9s have a
total score of 77 as of Hunt #26...I have corrected my master logs...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 2 Feb 2003 15:43:17 -0500
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <KD5NWA@cbayona.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [145638] Re: OT Radio Shack power supplies
Message-ID: <012401c2caff\$cae6f4c0\$a15345cf@winston>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I bought one of the Radio Shack supplies yesterday and it looks really good.
Just plugged it in and checked out the voltage. Haven't had a chance to hook
a radio to it yet. However, it looks more rugged than my Samlex 1223, which
is a really great supply. Been using it for over three years to power my
Corsair and Jupiter.
73, Winston K4CWQ

----- Original Message -----
From: "KD5NWA" <KD5NWA@cbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, February 01, 2003 20:47 PM
Subject: OT Radio Shack power supplies

> I found and bought two of the RS 22-510 25 amp switching power supplies
for
> \$59.99 each, one of them had noise on 80 meters, but it was sitting on top
> of the tuner.
>
> This evening I made a 4 foot twisted power cable, moved the power supply
to
> underneath the table, and put a large ferrite core on the output leads of
> the power supply with 3 turns through the core. The result, all bands
quiet
> no switcher noise, I'm going to add some additional bypass capacitors on
> the output of the supply for good measure.
>
> This is the first time I have been able to get a discount item that I
> wanted from Rat Shack, if you need a 25 amp supply for little money, you
> may want to check the stores in your area before they are all gone.
>
> Cecil
> KD5NWA
>

Date: Sun, 2 Feb 2003 15:52:14 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [145639] XR0X = Thanks
Message-ID: <412003202215214357@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Many responded to my SOS for help locating XR0X. Many thanks to all who
replied. Sure enough, it is found under CE0..., which is San Felix and San
Ambrosio. Really appreciate the assistance.

73,
--Doc/K0EVZ

Date: Sun, 02 Feb 2003 17:02:02 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [145640] DSWTUN03 via PCMCIA too HOT for AD9835 DDS to handle...
Message-ID: <BAY1-F229t9KIRQLsLC00006b7e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

It's what I get for simulating the non-printer-port (PCMCIA, in this case) interface...
Now I know which port on this ThinkPad to use when I need 'considerably-higher-than-printer-port' data transfer rates. It's an old 560E sans USB etc...
Anyway, I'm working on a solution to this problem...may use 'ExacTicks' again...but to SLOW the program this time...
It *seems* ok using an actual printer port interface at base address 0x278, 0x378 or 0x3BC . So, please ignore the 0x108 base address selection 'til I fix the thang...

73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

Help STOP SPAM with the new MSN 8 and get 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Sun, 02 Feb 2003 15:20:19 -0800
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp1_post <qrp-l@lehigh.edu>
Subject: [145641] QRP ARCI Fireside SSB Sprint
Message-ID: <3E3DA7B3.AF220D79@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Coming on Sunday February 9, 2003 from 2000Z to 2400Z is the QRP ARCI Fireside SSB Sprint. This is the only one ARCI

sponsors that is an SSB only sprint, and one of the few QRP-only SSB contests, as well.

The short version:

Date: February 9, 2003 2000 Z through 2400 Z. SSB only.

How to participate: Get on any of the HF bands except the WARC bands and hang out near the SSB QRP frequencies of 3865, 7285, 14285, 21385, or 28385 kHz. Work as many stations calling CQ QRP or CQ TEST as possible, or say those things yourself. You can work a station again on a different band.

What to say: Give a signal report and your state (for Americans), province (for Canadians), or country (for every one else), and your QRP ARCI member number if you have one, or your power if you don't have one.

Some reasons to participate: Hear what your CW friends sound like on SSB and get more states for WAS.

Relative challenge: Overall easy, but there are challenging bands!

Scoring: Standard QRP ARCI method for SSB contests

Web link:

<http://personal.palouse.net/rfoltz/arci/firesid.htm>

Here are some of the finer points.

QSO Points: Member = 5 points, non-member different continent = 4 points, non-member same continent = 2 points

Multiplier: SPC (State/Province/Country) total for all bands. The same station may be worked on more than one band for QSO Points and SPC credit.

Power Multiplier:

0 to 500 mW PEP = 15

greater than 500 mW PEP to 2 W PEP = 10

greater than 2 W PEP to 10 W PEP = 7

greater than 10 W PEP = 1

Highest power used will determine the power multiplier.

Score: QSO Points (total for all bands) X SPCs (total for all bands) X Power Multiplier

Entry includes a copy of logs and summary sheet. Compete in All-band, Single-, High-, or Low-band. Get the entry to me within 30 days of the contest date. Send either via e-mail or

Randy Foltz
809 Leith St.
Moscow, ID 83843

After the contest send your Claimed Score by visiting <http://personal.palouse.net/rfoltz/arci/form.htm> Check the claimed score for 2 weeks at <http://personal.palouse.net/rfoltz/arci/highclm.htm>

Get on and have fun!

--
73,
Randy, K7TQ
Moscow, ID
QRP ARCI Contest Chairman

End of QRP-L Digest 2819

